



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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GROLL et al

Examiner: Amy Hartter

Application Number: 09/381,286

Art Unit: 1631

Filed: December 7, 1999

Atty. Docket No. 100564-09039

For: PROCESS FOR THE PURIFICATION AND CRYSTALLIZATION OF
PROTEASOME

AMENDMENT IN RESPONSE TO NOTICE UNDER 37 CFR §§1.821-825

Commissioner for Patents
Washington, D.C. 20231

December 19, 2002

Sir:

In response to the Office Action on the Merits mailed August 20, 2002, please
amend the application as follows:

In the Specification:

Please amend the specification as shown:

Please delete the paragraph on page 9, lines 1-10, and replace it with the
following paragraph:

Figure 1 shows the homology between the amino acid sequences (SEQ ID NOS 1-13, respectively, in order of appearance) from yeast and humans coding for the active subunits of the proteasome; the β 1/PRE3, β 2/PUP1, β 5/PRE2 subfamilies are indicated by the yellow, green and blue colour respectively; the residues of the S1 pocket which influence the specificity changes of the PRE3 subfamily after substitution of the human subunit Y by LMP2 after cytokine induction are shown in brown;

Box 504
1631

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Plunkett
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ATB
ENK
TP
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Please
enter
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DI